

Abstract of the Disclosure

5 With the new plasma display panel technology new kinds of
artefacts can occur in video pictures. These artefacts are
commonly described as dynamic false contour effect, since
they correspond to disturbances of grey levels and colours
10 in the form of an apparition of coloured edges in the pic-
ture when the observation point on the PDP screen moves. Ac-
cording to the invention such an artefact is compensated by
analyzing the motion in the pictures assigning to each block
of a picture a corresponding motion vector and performing a
re-coding step in which a sub-field code word entry of a
15 current pixel are calculated. For this purpose the motion
vector is defined to point from a pixel in a previous pic-
ture to a pixel in the current picture. The sub-field code
word entries for a current pixel (P8) are determined by
dragging sub-field entries of the pixels lying on the motion
20 vector trajectory. In this way for each pixel there is an
exact calculation of the sub-field code word of a pixel also
for complex moving trajectories like zoom and rotation.

25 (Fig. 15)